İ	UTILITY		Att	orney Dool	cot NI-	19226	/2191 (R-5	770)
PA	PATENT APPLICATION			Attorney Docket No.		19226/2191 (R-5770) Szyperski		
	TRANSMITTAL			Title A METHOD OF USING G-MATRIX			CDIX	
(Only for new no.	nprovisional applications under	: 37 CFR 1.53(8)))	MAC SPEC SHIF STRU	RIER TRA SNETIC R CTROSCO T ASSIGI	ANSFO RESONA DPY FO NMENT	RMATION ANCE (GF R RAPID	N NUCLEAR T NMR) CHEMICAL
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See 37 CFI 3. Specification				(y uppi	iicavie, ali n	ecessan)	id Sequence	Submission
(preferred arrar	ngement set forth below)	l		a. 🔲	Computer R	eadable E	orm (CDE)	
- Descrip	ptive title of the invention Reference to Related Application			o. spec	diffication Sec	quence Li	sting on:	
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	mputer program listing appendix ound of the Invention	(if applicable)	Γ	AC	COMPANY	VING AP	PLICATION	V PADTS
- Brief Si	Immary of the Invention		Ī					
- Detailed	escription of the Drawings (if file	ed)		10. 🗆 37	CFR 3.73(b	apers (cov	er sheet & do	
- Claim(s			J	(w	hen there is	an assion	00)	Power of Attorney
4. E Drawing(s)	t of the Disclosure		1	11. 📙 En	glish Transla	ation Doc	ument (if app	licable)
5. Oath or Declarate	_			12. L In	formation Di	sclosure		Copies of IDS
	ion [Total Pag xecuted (original or copy)	es 2]		Statement (IDS)/PTO-1449 13. Preliminary Amendment Copies of IDS Citations				
b. 🖭 Unsigned	d			14. Keturn Receipt Postcard (MPEP 503)				
c. D Copy fro	om a prior application (37 CFR 1	.63(d))	ſ	(Should be specifically itemized)				
yor conti	(or community signal with Box 18 completed)			15. Certified Copy of Priority Document(s)				
Sign	i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)			(if foreign priority is claimed) 16. Nonpublication request under 35 U.S.C.				
iming	a ill tile prior application see 37	CFR	- 1	144(D)(Z)(B)(1) Applicant must suggest the 1				
6. Application D	(d)(2) and 1.33(b) Data Sheet. See 37 CFR 1.76		1,	PTO/SB/35 or its equivalent. 17. Other:				
18. If a CONTINUIT	NG APPLICATION check appr	onwiges L	<u> </u>					
or in an Application D	NG APPLICATION, check appr Data Sheet under 37 CFR 1.76:	opriate oox, and	a supply the l	requisite inj	formation be	low and i	n a prelimina	ry amendment,
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Prior application infor								
Box 5b, is considered a n	OR DIVISIONAL APPS only: The part of the disclosure of the accomp	entire disclosure	of the prior a	nnlication		n ooth ou d		
incorporation can only b	part of the disclosure of the accomp e relied upon when a portion has b	anying continuat een inadvertently	ion or division omitted fron	nal applicati	on and is here	eby incorp	orated by refe	upplied under rence. The
	19.	CORRESPON			tto applicatio	on parts.		
Customer Number or	Bar Code Label				or 🗷	Correspor	ndence address	below
Name	Nixon Peabody LLP							
	Clinton Square, P.O. Box 3105	1						
Address City								
Country	Rochester USA		NY		Zip Cod	le	14603-105	
N (D : -		lephone	(585) 263-15	08		Fax	(585) 263-1	
Name (Print/Type)	Alice Y. Choi	Registration	No. (Attorne	y/Agent)	45,758			
Signature	Alice y.				Date	Du	ly 11, 2	2503

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FEE TRANSMITTAL **FOR FY 2003**

Patent fees are subject to annual revision.

CApplicant claims small entity status. See 37 CFR 1.27

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	Complete if Known
Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Szyperski
Examiner Name	To Be Assigned
Art Unit	To Be Assigned
Attorney Docket No.	19226/2191 (R-5770)

METHOD OF PAYMENT (check all that apply)							
Check Credit Card Money Other	None 3.	ADDIT	TIONAL	FEES	FEE CALCULATION (continued)		
Deposit Account:		rge Entity		ll Entity			
Deposit Account 14-1138	Fee	Fee		Fee	_		
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Deposit	103	2 50	2052	25	Surcharge - late provisional filing fee or cover sheet		
Account Nixon Peabody LLP	105	3 130	1053	130	Non-English specification		
Name	181	2,520	1812	2,520	For filing a request for ex parte reexamination		
The Commissioner is authorized to: (check all that apply)	180	4 920*	1804	920*	Requesting publication of SIR prior to Examiner		
Charge fee(s) indicated below Credit any overnaymen	nte 180:	5 1,840*	1805	1,840*	action	İ	
Charge any additional fee(s)		.,	1	1,840*	Requesting publication of SIR after Examiner action		
Charge fee(s) indicated below except for the City	1251		2251	55	Extension for reply within first month		
to the above-identified deposit account.	1252		2252	205	Extension for reply within second month		
FEE CALCULATION	1253		2253	465	Extension for reply within third month		
1. BASIC FILING FEE	1254	1,450	2254	725	Extension for reply within fourth month		
Large Entity Small Entity	1255	1,970	2255	985	Extension for reply within fifth month		
Fee Fee Fee Fee Description Code (\$) Code (\$)	1401	320	2401	160	Notice of Appeal	_	
Code (S) Code (S) Fee Paid	1402	320	2402	160	Filing a brief in support of an appeal		
1001 750 2001 375 Utility filing for 375	1403	280	2403	140	Request for oral hearing		
1002 220 2002 Utility filing fee 3/5	1451	1,510	1451	1,510	Petition to institute a public use proceeding	I	
1003 520 2002 are	1452	110	2452	55	Petition to revive – unavoidable	-	
1004 750 200 Plant filing fee	1453	1,300	2453	650	Petition to revive - unintentional	∶	
1005 160 2004 373 Reissue filing fee	1501	1,300	2501	650	Utility issue fee (or reissue)	_	
1005 160 2005 80 Provisional filing fee	1502	470	2502	235	Design issue fee	_	
SUBTOTAL (1) (\$) 375	1503	630	2503	315	Plant issue fee		
(\$) 375	1460	130	1460	130	Petitions to the Commissioner		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	_	
Fee from	1806	180	1806	180	Submission of Information Disclosure Stmt	 	
Total Claims Delow Fee Paid	8021	40	8021	40	Recording each patent assignment per property	I	
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over original patent		depo:	nat this correspondence is being:				
**or number proviously axid is		deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop					
**or number previously paid, if greater, For Reissues, see above		COLLE	IIISSIONCI	ior rateni	IS, P. O. Box 1450. Alexandria VA 22212 1460	ł	
	-	Trade	mark Off	ice at (70)	on the date shown below to the United States Patent and		
	1	Date			Signature		
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SUBMITTED BY					Typed or printed name		
Name (Print/Type) Alice Y. Choi	Registrati	on M-	T 22 =		Complete (if applicable)	=	
Signature 100	(Attorney	'Agent)	45,7	/58	Telephone (585) 263-1508	\dashv	
Alie y. Ce.					Date	_	
					July 11, 2003	- 1	

DOCKET NO.:

19226/2191 (R-5770)

APPLICANT(S):

Thomas A. Szyperski, Seho Kim and Hanudatta S. Atreya

TITLE:

A METHOD OF USING G-MATRIX FOURIER TRANSFORMATION NUCLEAR MAGNETIC RESONANCE (GFT NMR) SPECTROSCOPY FOR RAPID CHEMICAL SHIFT ASSIGNMENT AND SECONDARY

STRUCTURE DETERMINATION OF PROTEINS

Certificate is attached to the Specification, Claims, and Abstract (137 pages) and the UNSIGNED Combined Declaration and Power of Attorney (2 pages) of the above-named application.

"EXPRESS MAIL" NUMBER:

EV139569405US

DATE OF DEPOSIT:

July 11, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Ruth R. Smith
(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper

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STRUCTURE DETERMINATION OF PROTEINS

Certificate is attached to the Drawings (30 sheets) of the above-named application.

"EXPRESS MAIL" NUMBER:

EV139569405US

DATE OF DEPOSIT:

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STRUCTURE DETERMINATION OF PROTEINS

Certificate is attached to the Fee Transmittal for FY 2003 (1 page) of the above-named application.

"EXPRESS MAIL" NUMBER:

EV139569405US

DATE OF DEPOSIT:

July 11, 2003

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Ruth R. Smith

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper

or fee)

DOCKET NO.:

19226/2191 (R-5770)

APPLICANT(S):

Thomas A. Szyperski, Seho Kim and Hanudatta S. Atreya

TITLE:

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STRUCTURE DETERMINATION OF PROTEINS

Certificate is attached to the **Utility Patent Application Transmittal Letter (1 page) in duplicate** of the above-named application.

"EXPRESS MAIL" NUMBER:

EV139569405US

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Ruth R. Smith

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper

or fee)